

Rat Endoglin /CD105 ELISA Kit | Endoglin /CD105 elisa kit

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CATALOG #
AAA95586

REACTIVITY
Rat

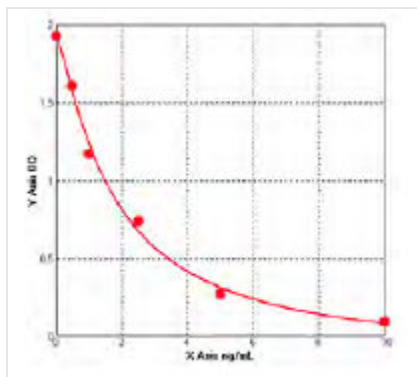
PRODUCT SYNONYMS

Endoglin /CD105; Rat Endoglin /CD105 ELISA Kit; Endoglin /CD105 ELISA Kit; Endoglin /CD105 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CD105. No significant cross-reactivity or interference between CD105 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD105 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Endoglin /CD105 elisa kit	Intended Uses: This CD105 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatCD105. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CD105 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD105 antibody and an CD105-HRP conjugate. The assay sample and buffer are incubated together with CD105-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD105 concentration since CD105 from samples and CD105-HRP conjugate compete for the anti-CD105 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD105 from the sample, fewer sites are left to bind CD105-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD105 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Endoglin /CD105 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	497240517
NCBI GeneID	2022
NCBI Accession #	NP_001265067.1
NCBI GenBank Nucleotide #	NM_001278138.1
UniProt Accession #	P17813; Q14248; Q14926; Q5T9C0
Molecular Weight	70,578 Da
NCBI Official Full Name	endoglin isoform 3
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	ENG
NCBI Official Synonym Symbols	END; HHT1; ORW1
NCBI Protein Information	endoglin; CD105 antigen
UniProt Protein Name	Endoglin
UniProt Gene Name	ENG
UniProt Synonym Gene Names	END
UniProt Entry Name	EGLN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/endoglin-cd105/95586>